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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/491,343      | 01/26/2000  | Thomas A. Dye        | 5143-01702          | 8427             |

7590 03/31/2004  
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EXAMINER

WILLIAMS, HOWARD L

ART UNIT PAPER NUMBER

2819

DATE MAILED: 03/31/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                                       |                                   |  |
|------------------------------|---------------------------------------|-----------------------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>09/491,343  | <b>Applicant(s)</b><br>DYE ET AL. |  |
|                              | <b>Examiner</b><br>Howard L. Williams | <b>Art Unit</b><br>2819           |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE three MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 January 2004.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-112 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-51 and 72-112 is/are allowed.
- 6) ☐ Claim(s) 52 and 56 is/are rejected.
- 7) ☐ Claim(s) 53-55 and 57-71 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

A shortened statutory period for reply to this action is set to expire THREE MONTHS from the mailing date of this action. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

The terminal disclaimer filed on 20 Jan 2004 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of application number 09/616,480 has been reviewed and is accepted. The terminal disclaimer has been recorded.

The number of claims submitted is considered excessive.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

*A person shall be entitled to a patent unless –  
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.*

Claims 52 and 56 are rejected under 35 U.S.C. 102(b) as anticipated by Clark et al. (US 5,778,255). Clark discloses a decompressor which decompresses multiple bytes in a single machine cycle. Clark discloses receiving a requested "X" number of tokens to the parse stage (col. 8 lines 15) and expand stage (col. 8 lines 58-60). Consequently Clark is seen as disclosing receiving compressed data comprising tokens, examining this plurality of tokens and generating uncompressed data from these tokens with reference to the history window.

Applicants' arguments filed 20 January 2004 have been fully considered but they are not persuasive. The response itself provides a clear juxtaposition of why Clark is seen to anticipate claims 52 and 56. In its broadest reasonable interpretation of the claim the parallel decompression is defined as --reiterated in the response (page 34)-- processing stream data in more than a single byte or symbol (character) at a time. Clark, as noted in the response (page 33), teaches "decompressing multiple data bytes

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during each machine cycle within the data processing system.” Both the phrase “more than a single byte at a time” and the phrase “multiple data bytes during each machine cycle” are seen as processing a plurality of compressed data bytes at a time or a single machine cycle.


The response, to be sure, continues with ever more detailed definitions of parallel decompression, i.e. pipe register stages, copies of logic, etc., which simply are not seen as required by claims 52 and 56, particularly given the broad definition pursued.

Claims 1-51 and 72-112 are allowable over the art of record which is not seen to disclose the generation of a plurality of selects.

Claims 53-55 and 57-71 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication should be directed to Howard L. Williams at telephone number 571.272.1815. The Patent and Trademark Office has a new central facsimile number for application specific correspondence intended for entry, it is 703-872-9306.

3/22/04  
Voice 571.272.1815

  
Howard L. Williams  
Primary Examiner  
Art Unit 2819